

AIRPORT DIAGRAMS

HOT SPOTS

449

An "Airport surface hot spot" is a location on an aerodrome movement area with a history or potential risk of collision or runway incursion, and where heightened attention by pilots/drivers is necessary.

A "hot spot" is a runway safety related problem area on an airport that presents increased risk during surface operations. Typically it is a complex or confusing taxiway/taxiway or taxiway/runway intersection. The area of increased risk has either a history of or potential for runway incursions or surface incidents, due to a variety of causes, such as but not limited to: airport layout, traffic flow, airport marking, signage and lighting, situational awareness, and training. Hot spots are depicted on airport diagrams as open circles or polygons designated as "HS 1", "HS 2", etc. and tabulated in the list below with a brief description of each hot spot. Hot spots will remain charted on airport diagrams until such time the increased risk has been reduced or eliminated.

CITY/AIRPORT	HOT SPOT	DESCRIPTION
ILLINOIS		
ALTON/ST LOUIS		
ST LOUIS RGNL (ALN)	HS 1	Twy C and Rwy 11, rwy in close proximity of ramp. Be prepared to hold short of the rwy entering the Twy C.
	HS 2	Twy A and Rwy 17-35, rwy in close proximity of ramp. Be prepared to hold short of the rwy entering the Twy A.
BLOOMINGTON/NORMAL		
CENTRAL IL RGNL ARPT AT BLOOMINGTON-NORMAL (BMI)	HS 1	Twy G intersecting Rwy 11-29. Short taxi distance from terminal ramp.
	HS 2	Hold line on Twy E is used for Rwy 02-20 and Rwy 29.
CARBONDALE/MURPHYSBORO		
SOUTHERN ILLINOIS (MDH)	HS 1	Intersection of Rwy 06-24 and Twy A. Rwy incursion risk.
	HS 2	Intersection of Rwy 06-24 and Twy C. Rwy incursion risk.
CHAMPAIGN/URBANA		
UNIVERSITY OF ILLINOIS-WILLARD (CMI)	HS 1	Rwy 18 hold short line set back on Twy C.
	HS 2	Complex intersection of Twy A, Twy A1, Twy B, Twy C, and Twy D.
	HS 3	Rwy 36 hold short lines on Twy B, and Twy B2 proximity to Twy B/Twy B2 intersection.
CHICAGO		
CHICAGO MIDWAY INTL (MDW)	HS 1	Taxiing to Rwy 04L from Twy W. Note: dsplcd thld and unique turn onto Rwy 04L.
	HS 2	Intersection of Rwy 04R and Twy F. Rwy 04R may be active whenever Rwy 31C is also active.
	HS 3	Hold short line for Rwy 31L immediately after Twy F and Twy K intersection, on Twy K.
	HS 4	Short taxi distance from terminal ramp to hold position for Rwy 13L-31R.
	HS 5	Taxiing to Rwy 22R from Twy P. Note: dsplcd thld and unique turn onto Rwy 22R.
	HS 6	Twy N at Rwy 04L-22R. Also, short taxi distance from north ramp to hold position for Rwy 04L-22R.
CHICAGO		
CHICAGO O'HARE INTL (ORD)	HS 1	Acft northeast bound on Twy B turning right onto Twy H use caution - close proximity to Rwy 09R-27L.
	HS 2	Acft northwest bound on Twy U turning left onto Twy H use caution - close proximity to Rwy 09R-27L.
	HS 3	Twy Y5 - north bound t/c only exiting Rwy 04R.
	HS 4	Inbound t/c to the terminals from Twy E can expect a right turn on Twy G to avoid active rwys.
	HS 5	Ldg Rwy 27R first avbl turn off is Twy C1 6500' from Rwy 27R thld. Ldg Rwy 09L first avbl turn off is Twy M1 6700' from Rwy 09L thld.
	HS 6	Potential ovft risk for acft on Rwy 14R-32L or Twy T while acft arr Rwy 09R.
	HS 7	Acft southbound on Twy F turning onto Twy N - rwy incursion risk due to close proximity to Rwy 10L-28R.

CITY/AIRPORT	HOT SPOT	DESCRIPTION
CHICAGO/PROSPECT HEIGHTS/WHEELING		
CHICAGO EXECUTIVE (PWK)	HS 1	Twy E, Twy K, and Twy C complex intersection in close proximity of rws.
	HS 2	Twy intersection in close proximity of Rwy 06.
	HS 3	Rwy 06 hold short line set back on Twy T.
CHICAGO/ROCKFORD		
CHICAGO/ROCKFORD INTL (RFD)	HS 1	Complex intersection.
MARION		
WILLIAMSON CO RGNL (MWA)	HS 1	This area is not visible from the twr.
	HS 2	This area is not visible from the twr.
	HS 3	Hold short of Rwy 02 at Twy B for departure on Rwy 11. Some pilots mistakenly line up on Rwy 02.
MOLINE		
QUAD CITY INTL (MLI)	HS 1	Twy tfc to hold short of Rwy 23/Rwy 23 apch.
	HS 2	Risk of Rwy 09 and Rwy 27 arrivals exiting on intersecting rws instead of assigned exit twys.
	HS 3	Rwy 13–31 hold position is in an unusual location parallel to Rwy 13–31 on Twy K.
	HS 4	Rwy 13–31 hold position at Twy H. Twy tfc to hold short of rwy.
PEORIA		
GENERAL DOWNING – PEORIA INTL (PIA)	HS 1	Complex intersection in close proximity to two rws.
	HS 2	Short taxi distance to Rwy 04–22.
SPRINGFIELD		
ABRAHAM LINCOLN CAPITAL (SPI)	HS 1	Complex rwy/rwy intersection. ATC approval required to exit onto another rwy.

INDIANA

COLUMBUS		
COLUMBUS MUNI (BAK)	HS 1	Twy A & Twy B Converge.
EVANSVILLE		
EVANSVILLE RGNL (EVV)	HS 1	Rwy 09 incursion risk at Twy C near General Aviation Ramp, ATC clearance required for taxi on rwy.
	HS 2	Rwy 27 incursion risk at Twy A, ATC clearance required for taxi on rwy.
	HS 3	Rwy 18–36 incursion risk at Twy H due to close proximity of General Aviation Ramp to rwy.
LAFAYETTE		
PURDUE UNIVERSITY (LAF)	HS 1	Complex int at Twy B, Twy B3, Twy C in close proximity of rws.
TERRE HAUTE		
TERRE HAUTE INTL–HULMAN FLD (HUF)	HS 1	Hold short on Twy D for both Rwy 18 and Rwy 14.

MICHIGAN

ANN ARBOR		
ANN ARBOR MUNI (ARB)	HS 1	Intersection of Twy A1/A not visible from the ctl twr.
	HS 2	Twy A crosses turf Rwy 12–30.
DETROIT		
DETROIT METROPOLITAN WAYNE CO (DTW)	HS 1	Intersection of Rwy 09L–27R and Rwy 04R–22L. When taxiing on Rwy 09L–27R, be prepared to hold at the holding position markings on the rwy.
	HS 2	Intersection of Rwy 09L–27R and Rwy 03L–21R. When taxiing on Rwy 09L–27R, be prepared to hold at the holding position markings on the rwy.
	HS 3	Twy F and Rwy 03L–21R pilots taxiing on Twy F sometimes enter Rwy 03L–21R without a clearance.
	HS 4	Twy V1, Twy W5, Twy S5 converge with Twy W in close proximity to Rwy 09L–27R and Rwy 03R–21L.
DETROIT		
WILLOW RUN (YIP)	HS 1	Complex rws/twy intersection.
	HS 2	Twy E1 to Rwy 27 or Rwy 23L wrong rwy departure risk.

CITY/AIRPORT	HOT SPOT	DESCRIPTION
FLINT		
BISHOP INTL (FNT)	HS 1	Twy C crosses Rwy 18–36. Manage taxi speed and be prepared to hold short.
	HS 2	Acft exiting the de-icing pad are on Twy C and in very close proximity to Rwy 09–27.
GRAND RAPIDS		
GERALD R FORD INTL (GRR)	HS 1	Twy A, Twy M, High Speed Twy A2 near Rwy 08R–26L – risk of pilot confusion on wide pavement resulting in rwy incursions.
	HS 2	Twy A, Twy F, Twy B, High Speed Twy A1 near Rwy 08R–26L – risk of pilot confusion on wide pavement resulting in rwy incursions.
	HS 3	Twy B, Twy V, High Speed Twy B4 near Rwy 17–35 – risk of pilot confusion resulting in rwy incursions.
JACKSON		
JACKSON CO–REYNOLDS FLD (JXN)	HS 1	Twy F hold short line for Rwy 06 is further back than expected to protect the Localizer Critical Area. Do not cross hold short line without ATCT clearance.
KALAMAZOO		
KALAMAZOO/BATTLE CREEK INTL (AZO)	HS 1	Complex intersection of Rwy 05, Twy A and Twy D.
	HS 2	Wrong rwy departure risk. Twy C hold short lines serve both Rwy 05 and Rwy 09.
	HS 3	Wrong rwy departure risk. Acft departing Rwy 05 can expect to hold short of Rwy 09 on Twy F.
OHIO		
AKRON		
AKRON–CANTON RGNL (CAK)	HS 1	ILS hold short line close proximity to transient parking ramp.
	HS 2	Twy C rwy holding position marking east of Rwy 01–19 used to hold acft for both Rwy 01–19 and Rwy 05–23.
	HS 3	Hold short lines on Twy K between Rwy 01–19 and Rwy 05–23 are nearly co-located.
CINCINNATI		
CINCINNATI MUNI AIRPORT LUNKEN FLD (LUK)	HS 1	Tfc on Twy C must receive ATC clearance to cross Rwy 03L apch area.
	HS 2	Twy A crosses Rwy 21R. Be prepared to hold short.
	HS 3	Departing acft on Rwy 21L can expect to hold short of Rwy 25 on Twy A.
	HS 4	Pedestrians and vehicles prohibited from departing terminal ramp area without ATC authorization.
CLEVELAND		
CLEVELAND–HOPKINS INTL (CLE)	HS 1	Complex intersection of Rwy 06R–24L and Twy S, Twy L.
	HS 2	Complex intersection of Rwy 06R–24L and Twy R, Twy L.
COLUMBUS		
OHIO STATE UNIVERSITY (OSU)	HS 1	When holding short of Rwy 09R, acft must clear Rwy 05 hold short line on Twy A, west of Rwy 05.
	HS 2	Rwy 05 hold short line close proximity to west ramp on Twy A.
	HS 3	Wrong rwy departure risk: Rwy 32 is not visible from hold short lines on Twy D.
	HS 4	Successive hold short lines on Twy A east of Twy D define Rwy 32 apch zone. Pilots confuse the apch hold markings with the Rwy 27L rwy holding position markings.
	HS 5	Wrong rwy departure risk: Unusual geometry at Rwy 27R, Rwy 23, Twy C and Twy F int; Rwy 23 thld is beyond Rwy 27R on Twy F southbound.
COLUMBUS		
PORT COLUMBUS INTL (CMH)	HS 1	Area not visible from the twr.
DAYTON		
JAMES M COX DAYTON INTL (DAY)	HS 1	Acft taxiing from Twy D, with a left turn on Rwy 36, destined for Twy H sometimes miss the turn onto Twy H and enter Rwy 06R–24L.

CITY/AIRPORT	HOT SPOT	DESCRIPTION
MANSFIELD		
MANSFIELD LAHM RGNL (MFD)	HS 1	Complex intersection of Rwy 05–23, Rwy 14–32 and Twy C.
YOUNGSTOWN/WARREN		
YOUNGSTOWN–WARREN RGNL (YNG)	HS 1	Rwy 23 hold short line and signage on Twy H may be difficult to see when taxiing to Rwy 23 on Twy J.
	HS 2	Complex Twy K/Twy F intersection. Twy K crosses Twy F to the terminal.
WISCONSIN		
APPLETON		
OUTAGAMIE CO RGNL (ATW)	HS 1	Twy A, Twy B and Twy C meet in a complex intersection.
JANESVILLE		
SOUTHERN WISCONSIN RGNL (JVL)	HS 1	Rwy 32 and Rwy 26 apch ends are closely aligned and may be confused when lining up for departure.
LA CROSSE		
LA CROSSE RGNL (LSE)	HS 1	Rwy 36 hold position set back on Twy F.
MADISON		
DANE CO RGNL–TRUAX FLD (MSN)	HS 1	Closely Aligned Rwys – Rwy 21 and Rwy 18 at Twy B4.
	HS 2	Closely Aligned Rwys – Rwy 18 and Rwy 21 at Twy A4.
	HS 3	Closely Aligned Rwy ends – Rwy 14 and Rwy 18.
MILWAUKEE		
GENERAL MITCHELL INTL (MKE)	HS 1	Pilots taxiing northbound on Twy E for an intersection departure on Rwy 19R at Twy V can end up entering Rwy 07L–25R if they miss the right turn for Twy V. To avoid a rwy incursion, pilots on Twy E should use extreme caution approaching Rwy 07L–25R.
	HS 2	Use caution in the area of Twy M and Rwy 01L–19R. Pavement widens out as the twy approaches the rwy and may cause confusion.
OSHKOSH		
WITTMAN RGNL (OSH)	HS 1	Intersection of Twy B and Twy B1.
	HS 2	Intersection of Twy C1, Twy C, Twy A, Twy A1, Twy J.